

ABSTRACT

Valve and method for a brake control actuator are provided. The valve includes a rod operable between respective operating conditions to selectively allow passage of brake fluid through the valve. The valve further includes a ball affixed at one end of the rod. The ball includes a sealing section that, upon engagement against a ball-receiving seat in the valve, blocks passage to brake fluid therethrough. The ball further includes a mounting section integral with the sealing section. The mounting section is configured to provide a reduced footprint relative to a spheroidal footprint and enable a strong mechanical joint between the mounting section and the rod.